

6441145

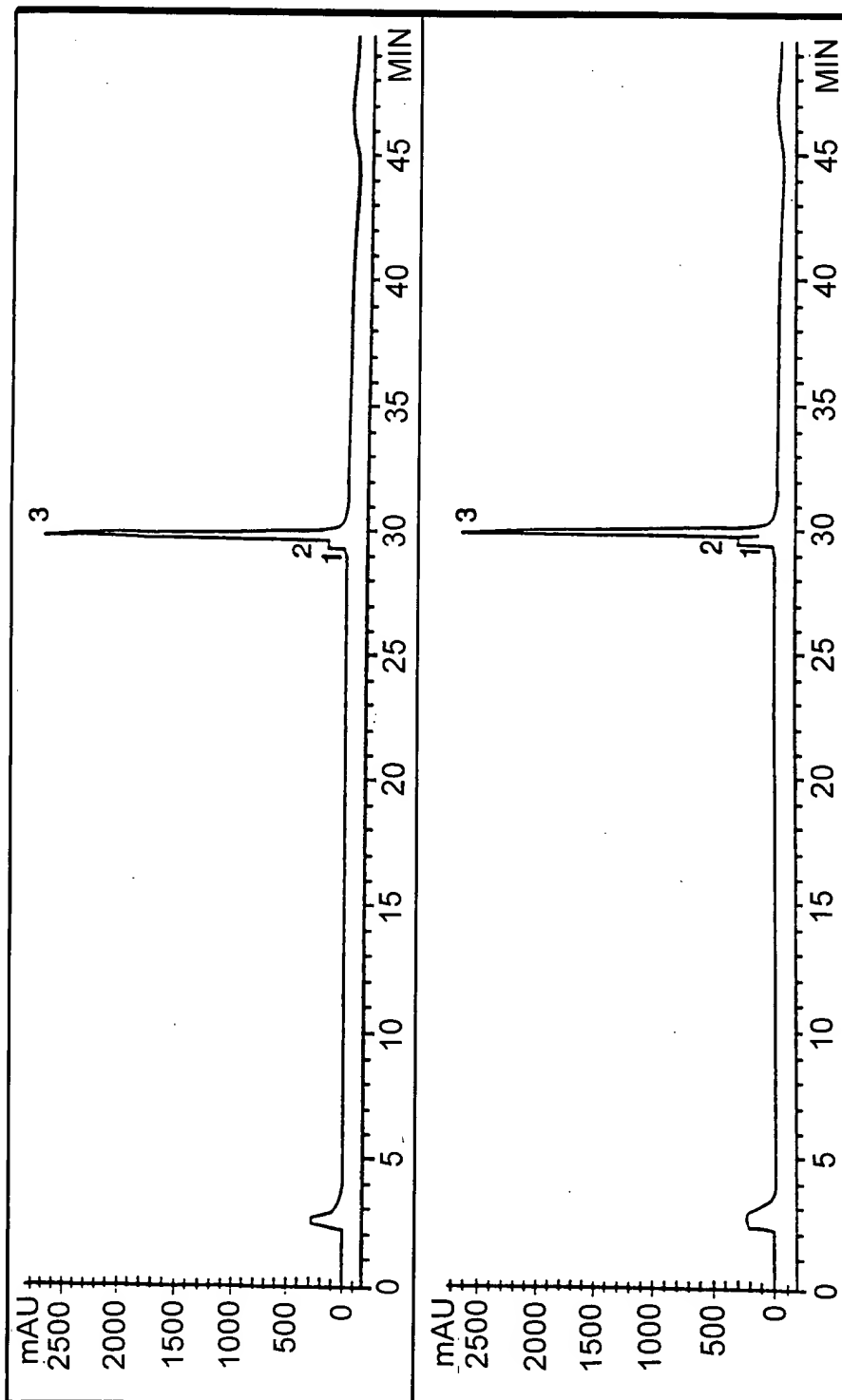


FIG. 1

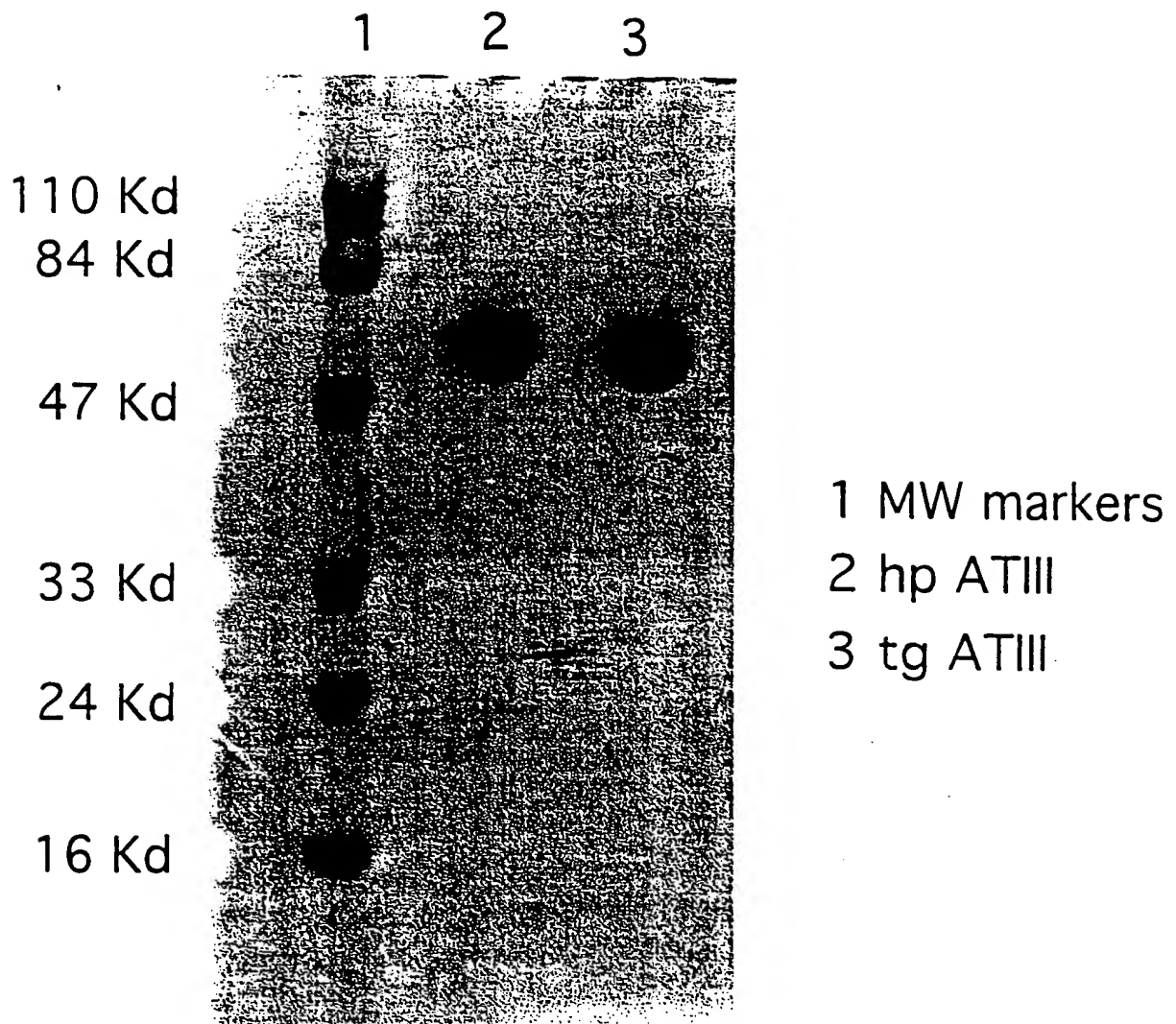


FIG. 2

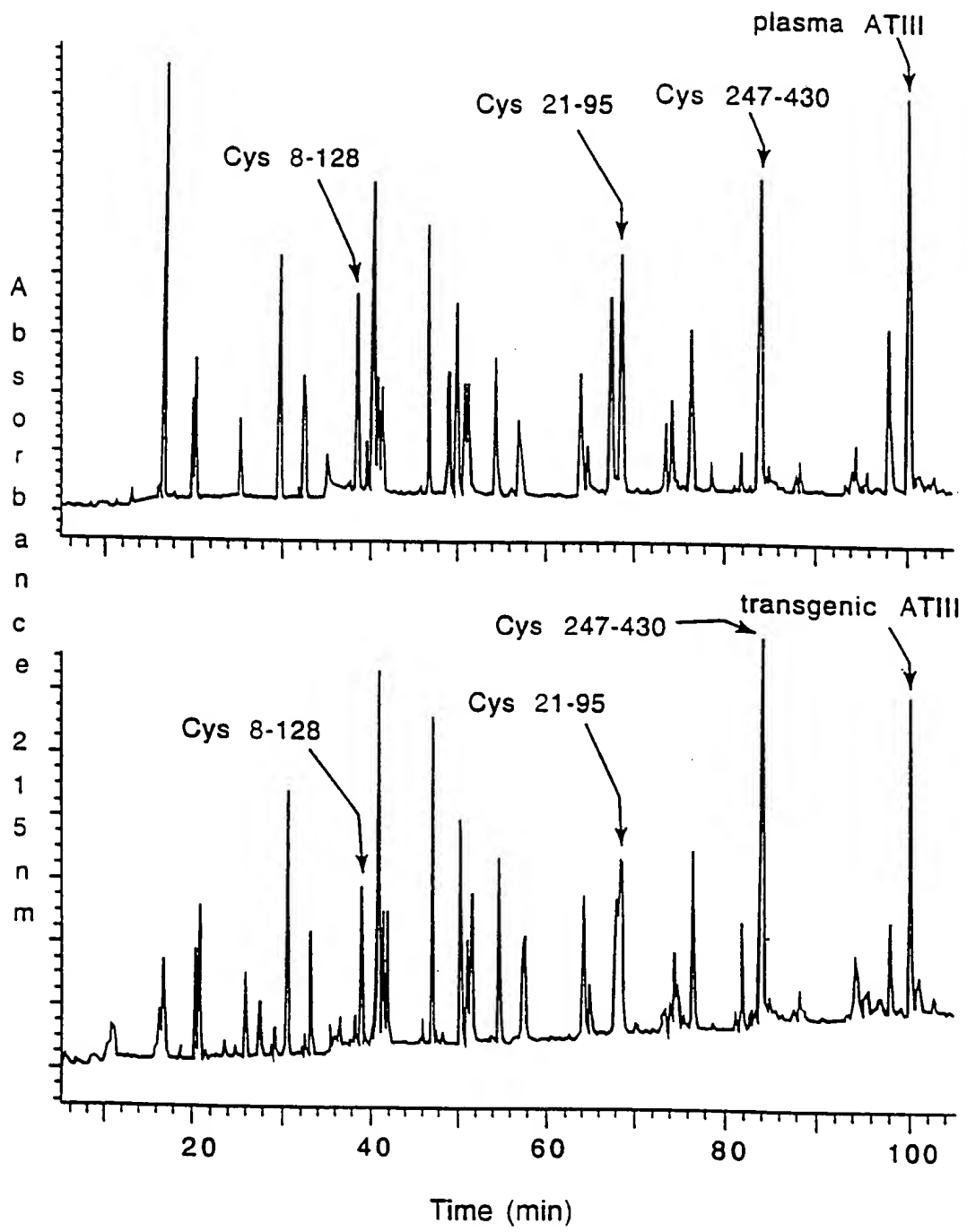


FIG. 3

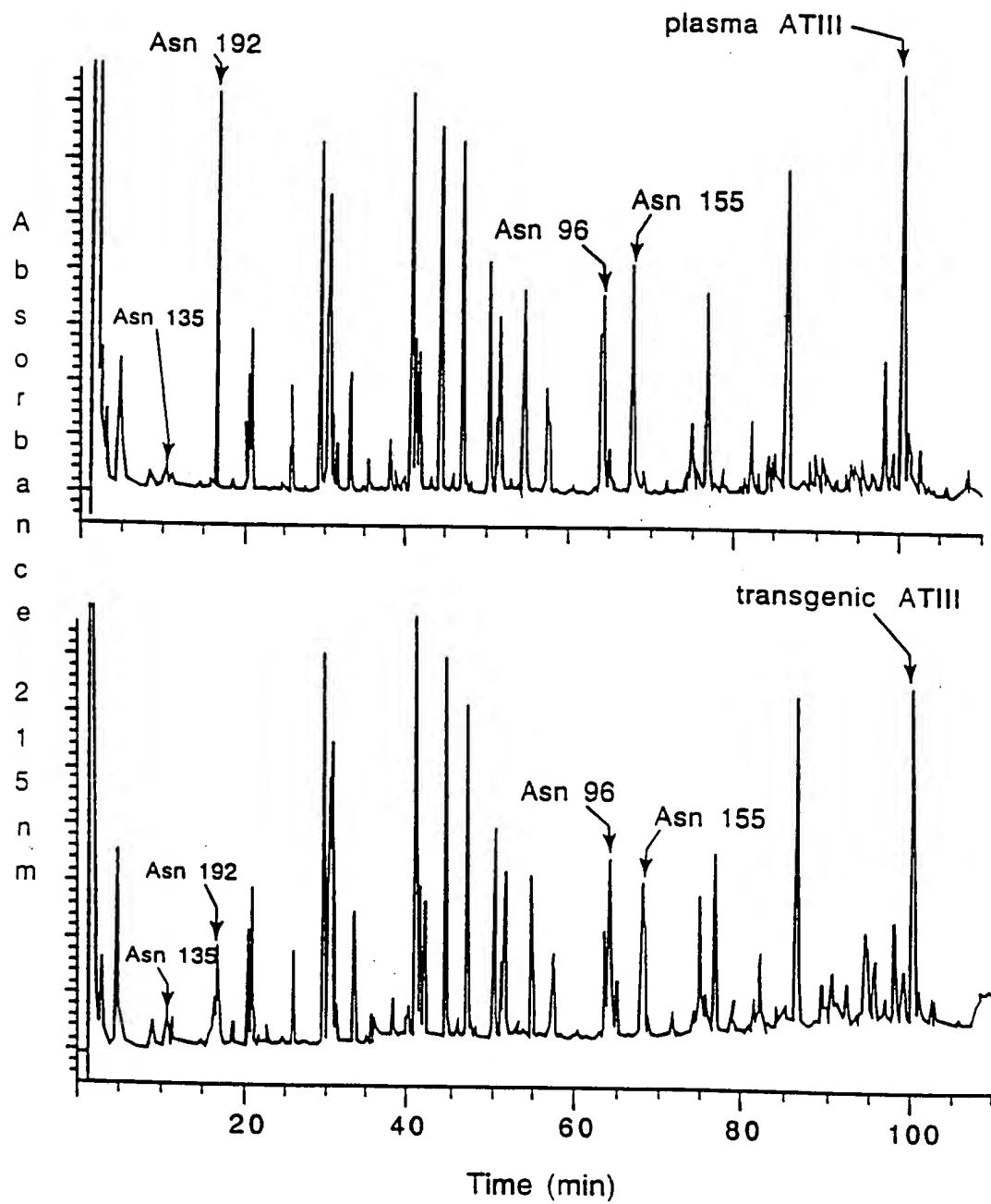


FIG. 4

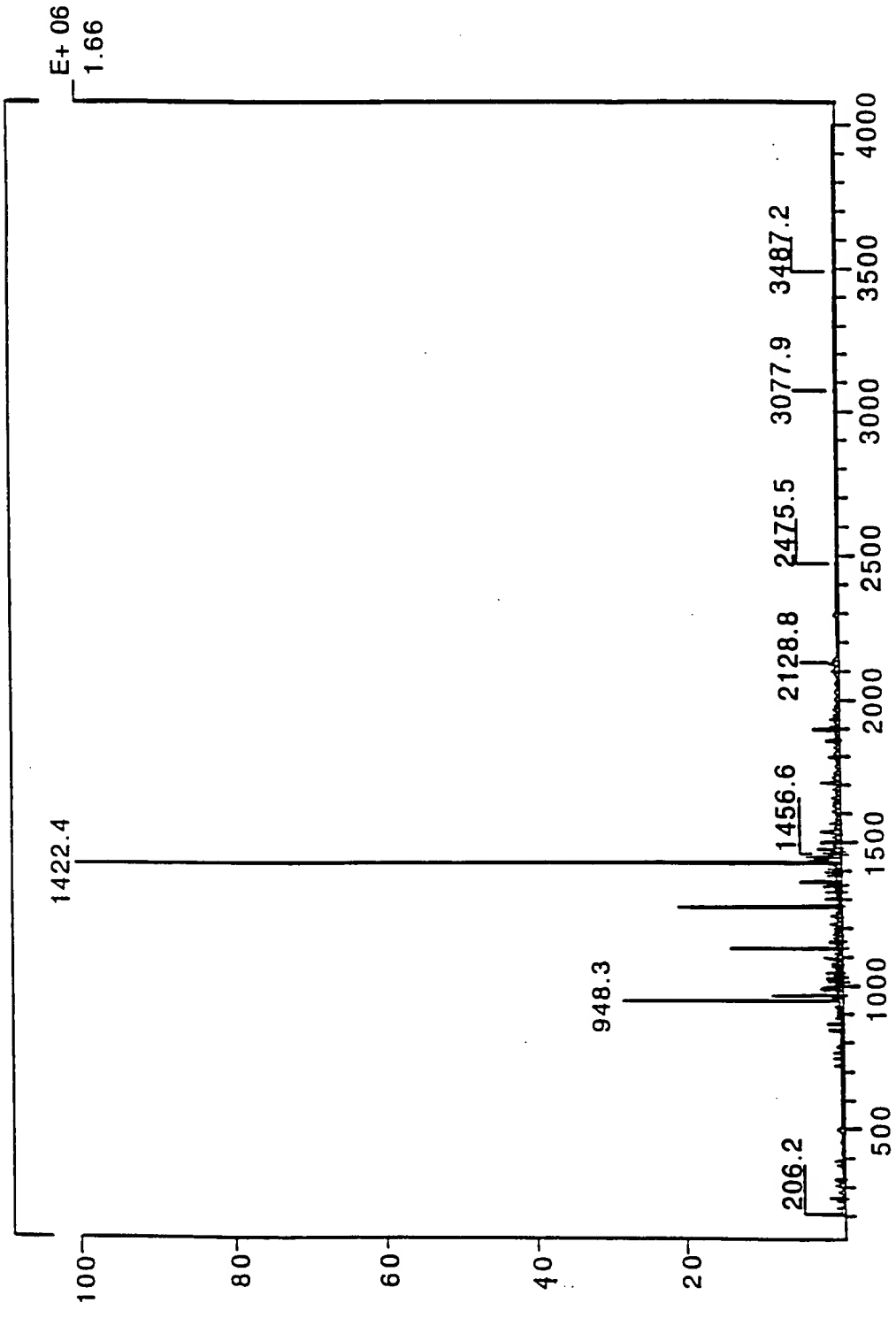


FIG. 5

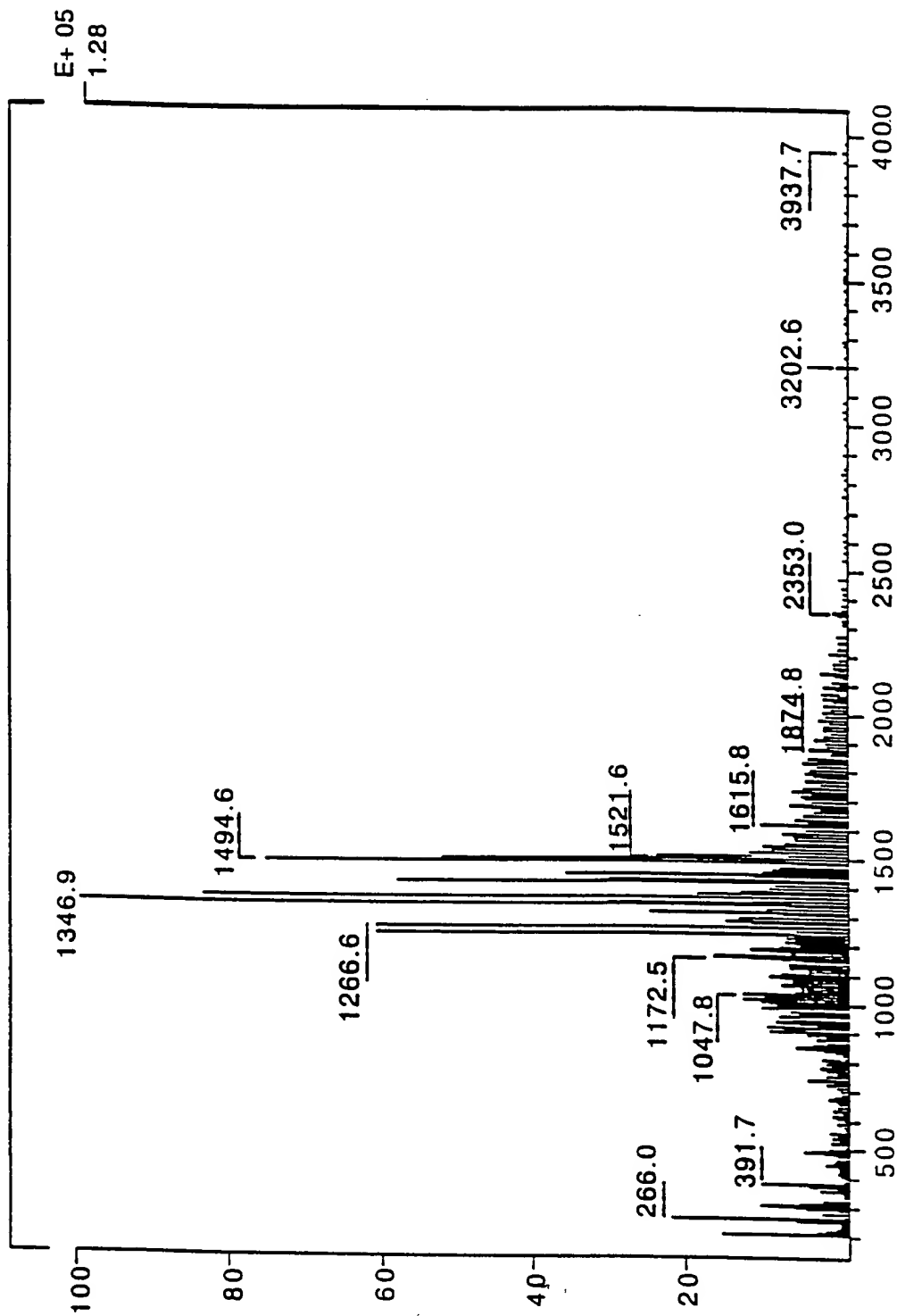


FIG. 6

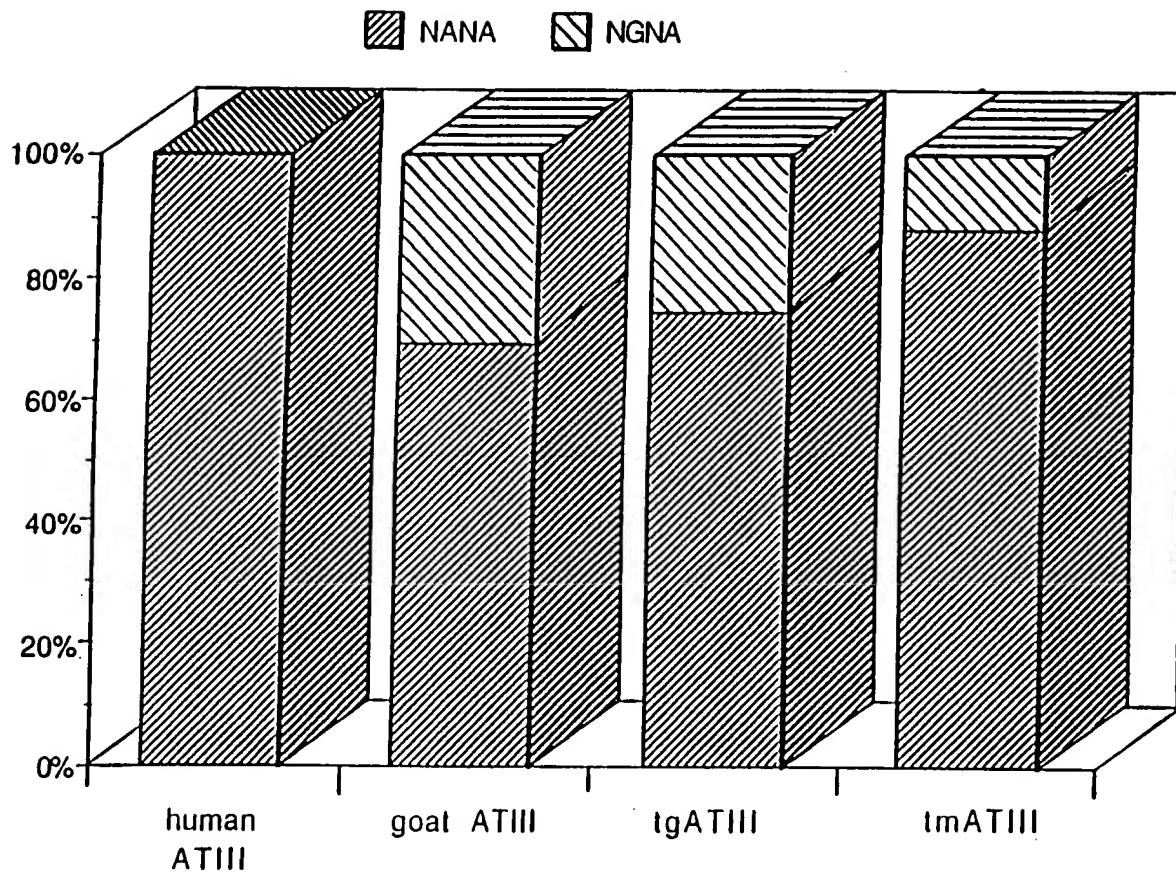


FIG. 7

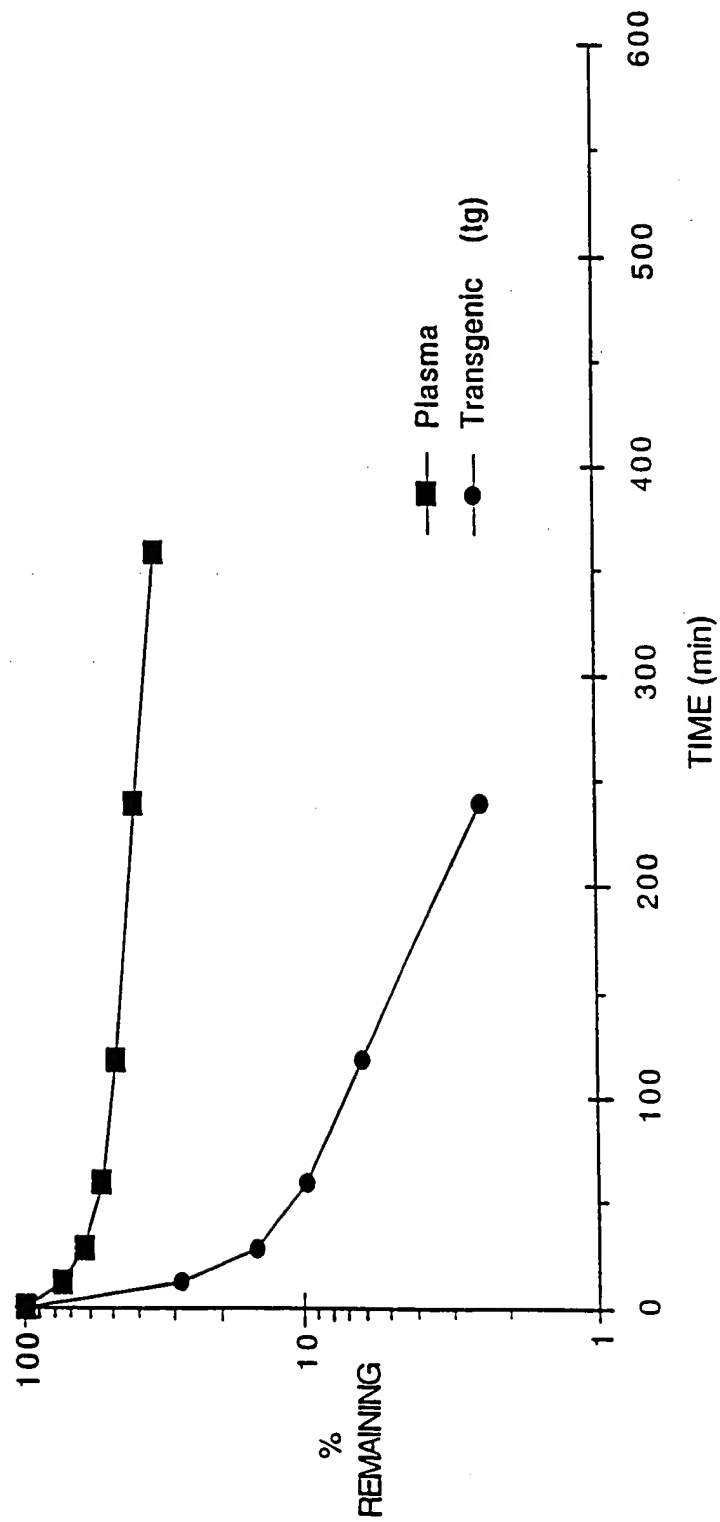


FIG. 8

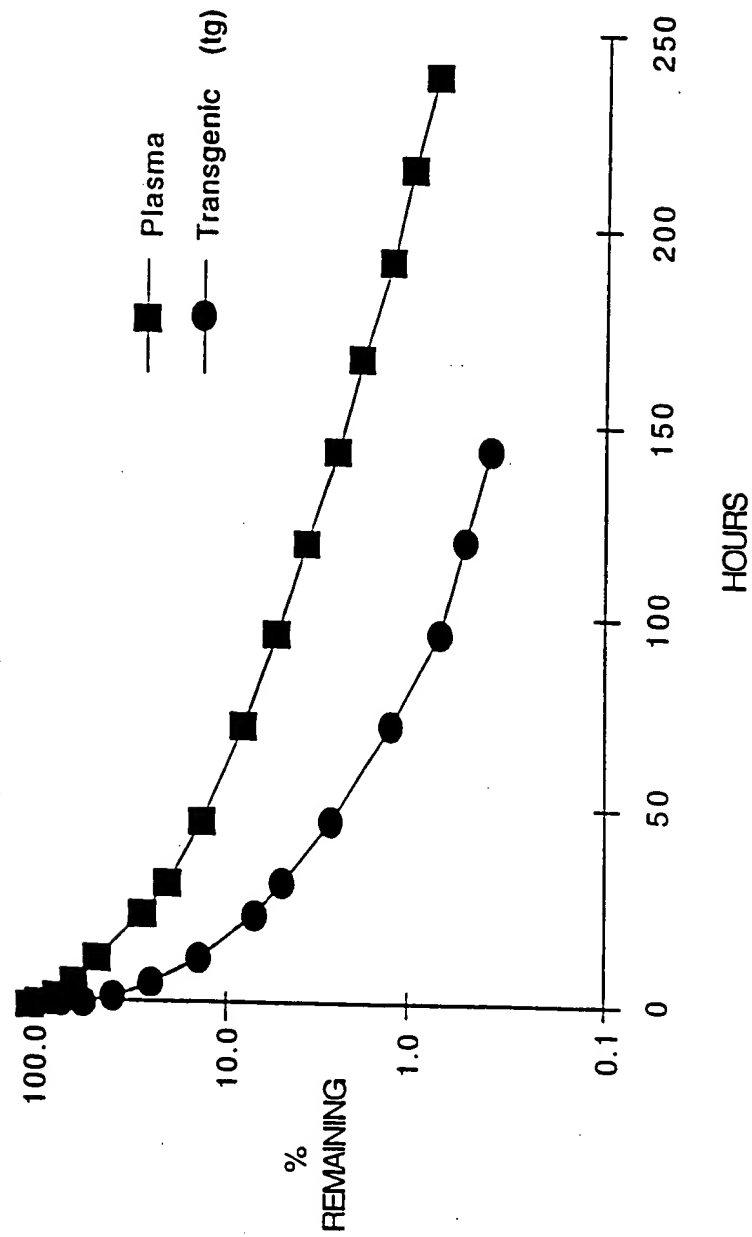


FIG. 9

Sequence Listing

agaattttacccaagatctcaaagacccactgaataactaaagagacctcattgtggttac	-263
aataatttggggactgggccaacttcctgtgcatcccagccaagatctgtagctactgg	-203
acaatttcatttcctttatcagattgtgagttattcctgttaaaatgctccccagaattt	-143
ctggggacagaaaaataggaagaattcatttcctaatacatgcagatttctaggaattcaa	-83
atccactgtttggttttatttcaaaccacaaaattagcatgccattaaatactatatataa	-23
acagccactaaatcagatcattATCCATTGAGCTTCTCCTTCACTTCTTCTCCTCTACTT	37
TGGAAAAAAGgtaagaatctcagatataatttcagtgatctgtctactcatctttatttt	97
ggactaggttaaaaatgtagaaagaacataattgcttaaaatagatcttaaaaaataagggt	157
gtttaagataagggtttacactattttcagcagatatgttaaaaaatagaagtgactataa	217
agacttgataaaaaattataggtgactgcaa.....tttttgccat	277
gagggttgcaggatcttgggtccctgaccagggatcaaacctgcactcccctggaagcat	337
ggagtccttgacatttgtattatacactatctttgggtcccttttaagggaagtaatttt	397
acttaataaagaaaatagattgacaagtaatacgtctgtttcctcatcttcccattcacag	457
GAATCGAGAGCCATGAAGGTCCTCATCCTTGCCTGTCTGGTGGCTCTGGCCATTGCAAGA	517
**** M K V L I L A C L V A L A I A R	16
GAGgtaaatacagaaaaaatgttgaaataatagactagtactgtctgcctatgtgtagaa	577
E	17
atcacattaccaacatcataaatgtataaataatgcacaatctcagattttattttttaat	637
gctaagaaagtcattttatgttcatccactatctcaacagtatcctataggaccacaactc	697
tgggtcaagtgttttctatagtattgtaccatctgtaccatcaattcctaaagaaaaagg	757
aaaagaaaccaataagcaacagaccaacaagaaggaaacacagacaagaacaaaaaatgag	817
taatattgtacaaatacaattgcacg.....ctgcaggaaactaaa	877
gtgttttttttttctctctcttttttagCAGGAAGAACTCAATGTAGTCGGTGAGgtaagat	937
Q E E L N V V G E	26
atttttatacaaagaaaaaaattaatttaactgtaaaatagtaacagactctgatgatct	997
agcagaaaactcagctaattgtcaattttttatttttcttttatagACTGTGGAAAGCCTT	1057
T V E S L	31
TCAAGCAGTGAGgtaagataatgttcattcagaggcaatttcccagatttagagcaataa	1117
S S S E	35
aacactgtattatctttttgtgttacattaattggcaaccactccagtactctt.....	1177
.....gacaaatatgaatttttcttttaaagctaaacctgatttttattttt	1237
atttttccaaagGAATCTATTACACACATCAATAAGgtaaaaccttcatattttaaagta	1297
E S I T H I N K	43
catttttaaaaatttcatgtttgattttttataaacagcatttctttatgtgtgatttttt	1357
tttttaccagAAAATTGAGAAGTTTCAAAGTGAGGAACAACAGCAAACAGAGgtaatttg	1417
K I E K F Q S E E Q Q Q T E	57
ttcactatgagtatatatttggagaagtattatgaazcataacacataaaaagatttataata	1477
attatgttcagtcctaagaatggtaatatagtgctcagtgtaagaaatgaaaactttgaca	1537

FIG. 10A

aaatgaaaatatttttaaagatagaaacacatttttaaacacataatcaaatttcagagta	1597
tagaataaatacccaagaataactactggtatattcattttactaatggtatacctggct	1657
ttaataaatgcatattagtaggaacaattccagactagggactg ⁺ gatcccccttattgcta	1717
atgatggatattgctgatgaaagacagtaggggtgacagtgtggcactaatcctaatt.....	1777
.....aaatggaagattttctttctctctcttctactgaattatggttttaa	1837
aaagaggaggataattcatcatgaataacaattataactggattatggactgcaaaggca	1897
ttgggttttccttctttccagGATGAACTCCAGGATAAAATCCACCCCTTGCCCAGGCAC	1957
D E L Q D K I H P F A Q A Q	71
AGTCTCTAGTCTATCCCTTCACTGGGCCCATCCCTAACAGCCTCCCACAAACATCCTGC	2017
S L V Y P F T G P I P N S L P Q N I L P	91
CTCTTACTCAAACCCCTGTGGTGGTGCCGCTTTCCCTTCAGCCTGAAATAATGGGAGTCC	2077
L T Q T P V V V P P F L Q P E I M G V P	111
CCAAAGTGAAGGAGACTATGGTTCCTAAGCACAAAGAAATGCCCTTCCCTAAATATCCAG	2137
K V K' E T M V P K H K E M P F P K Y P' V	131
TTGAGCCCTTTACTGAAAGCCAGAGCCTGACTCTCACTGATGTTGAAAAGCTGCACCTTC	2197
E P F T E S Q S L T L T D V E K L H L P	151
CTCTGCCCTCTGGTCCAGTCTTGGATGCACCAGCCTCCCCAGCCTCTTTCTCCAACCGTCA	2257
L P L V Q S W M H Q P P Q P L S P T V M	171
TGTTTCCCTCCTCAGTCCGTGCTGTCCCTTTCTCAGCCCAAAGTTCTGCCTGTTCCCCAGA	2317
F P P Q S V L S L S Q P K V L P V P Q K	191
AAGCAGTGCCCCAGAGAGATATGCCCATCCAGGCCTTTCTGCTGTACCAGGAGCCTGTAC	2377
A V P Q R D M P I Q A F L L Y Q E P V L	211
TTGGTCTGTCCGGGGACCCTTCCCTATTCTTgtaagtctaaatttactaactgtgctgt	2437
G P V R G P F P I L	221
ttaacttctgatgtttgtatgatatttgagtaattaagagccctacaaaaaatcaataa	2497
tgaatggttccaaaaataagcatagctgagattaatgattctcagcattagttataaatag	2557
aataagctggaaaaccttcacctcccctccaccaccagatccc.....	2617
...aaaaacaaaataactgaagatgcttatttcaatactcagggaaaattttcttgccaaa	2677
aaggcaagaattgtataattcattcacttattttatttttttaatttttaagGTCTAAG	2737
V *	222
AGGATTTCAAAGTGAATGCCCCCTCCTCACTTTTGgt.....caa	2797
attggaaatgggggtgagatgaagagttataacatataactaaatggacattgttctcta	2857
ttccacagAATTGACTGCGACTGGAAATATGGCAACTTTTCAATCCTTGCAATCATGCTAC	2917
TAAGATAATTTTTAAATGAGTATACATGGAACAAAAATGAAACTTTATTCTTTATTTA	2977
TTTTATGCTTTTTTCACTTAATTTGAATTTGAGTCATAAACCATATACTTTCAAATGTT	3037
AATTCACATTAGCATAAAAGTTCAATTTTAACCTTGGAATATCATGAACATATCAAATT	3097
ATGTATAAAAATAATTTCTGgaattgtgattattatttctttaagaatctatttcctaac	3157
cagtcatttcaataaattaacccttaggcatattttaagttttcttgtctttattatattt	3217
ttaaaaatgaaattggtctctttattgttaacttaaatattatctttgatgttaaaaatag	3277
ctgtggaaa	3287

FIG. 10B